

AMENDMENTS TO THE CLAIMS

This listing of the claims will replace all prior versions,
and listings of the claims of this application:

LISTING OF THE CLAIMS

- 5 1. (Original) A gas turbine engine comprising:
a compressor section;
a turbine section;
a combustor, in flow communication with the compressor
and turbine sections;
- 10 at least one combustor mounting assembly adapted to
support the combustor within the engine, the combustor
mounting assembly having: a longitudinal axis; and an
articulating joint having a first and second portion, the
first and second portions having mating concave and convex
15 curved surfaces, said curved surfaces each having a
curvature in two mutually orthogonal planes, and wherein
said first and second portion have a plurality of
rotational degrees of freedom relative to each other about
axes transverse said longitudinal axis.
- 20
2. (Original) A gas turbine engine according to claim
1 wherein the articulating joint has a translational degree
of freedom parallel to said longitudinal axis.
3. (Original) A gas turbine engine according to claim
25 2 wherein the articulating joint comprises at least one
longitudinal slide surface.

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4. (Original) A gas turbine engine according to claim
1 wherein the combustor mounting assembly includes an
outwardly projecting boss.

5 5. (Original) A gas turbine engine according to claim
4 wherein the articulating joint is housed within an
internal surface of the boss.

6. (Original) A gas turbine engine according to claim
5 wherein an external slide surface of the articulating
joint is slidably housed within said internal surface of
10 the boss, and wherein the joint is free to slide parallel
said longitudinal axis relative to the boss while
constrained transverse said longitudinal axis.

7. (Original) A gas turbine engine according to claim
3 wherein the combustor mounting assembly includes a pin
15 engaging at least one of the first and second portions of
the articulating joint.

8. (Original) A gas turbine engine according to claim
7 wherein the articulating joint includes an internal slide
surface, and the pin has an external slide surface.

20 9. (Original) A gas turbine engine according to claim
1 wherein the first and second portions of the articulating
joint have opposing spherical joint surfaces.

10. (Original) A gas turbine engine according to claim
9 wherein the first and second portions are mutually nested
25 sleeves.

11. (Original) A combustor for a gas turbine engine,
the combustor comprising:

at least one combustor mounting assembly having: a
longitudinal axis; and an articulating joint having a first
5 and second portion, the first and second portions having
mating concave and convex curved surfaces, said curved
surfaces each having a curvature in two mutually orthogonal
planes, and wherein said first and second portion have a
plurality of rotational degrees of freedom relative to each
10 other about axes transverse said longitudinal axis.

12. (Original) A combustor according to claim 11
wherein the articulating joint has a translational degree
of freedom parallel to said longitudinal axis.

13. (Original) A combustor according to claim 12
15 wherein the articulating joint comprises at least one
longitudinal slide surface.

14. (Original) A combustor according to claim 11
wherein the combustor mounting assembly includes an
20 outwardly projecting boss.

15. (Original) A combustor according to claim 14
wherein the articulating joint is housed within an internal
surface of the boss.

16. (Original) A combustor according to claim 15
25 wherein an external slide surface of the articulating joint
is slidably housed within said internal surface of the

boss, and wherein the joint is free to slide parallel said longitudinal axis relative to the boss while constrained transverse said longitudinal axis.

17. (Original) A combustor according to claim 13
5 wherein the combustor mounting assembly includes a pin engaging at least one of the first and second portions of the articulating joint.

18. (Original) A combustor according to claim 17
10 wherein the articulating joint includes an internal slide surface and the pin has an external slide surface.

19. (Original) A combustor according to claim 11 wherein the first and second portions of the articulating joint have opposing spherical joint surfaces.

20. (Original) A combustor according to claim 19
15 wherein the first and second portions are mutually nested sleeves.

21. (Currently Amended) A combustor for a gas turbine engine, the combustor comprising:

20 a pin having a longitudinal axis and a first spherical surface slidably engaging a second mating spherical surface of a combustor boss, wherein at least one of the pin and boss includes one of: an internal longitudinally sliding surface; and an external longitudinally sliding surface.

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22. (Cancelled) A combustor according to claim 21 wherein at least one of the pin and boss includes one of: an internal longitudinally sliding surface; and an external longitudinally sliding surface.